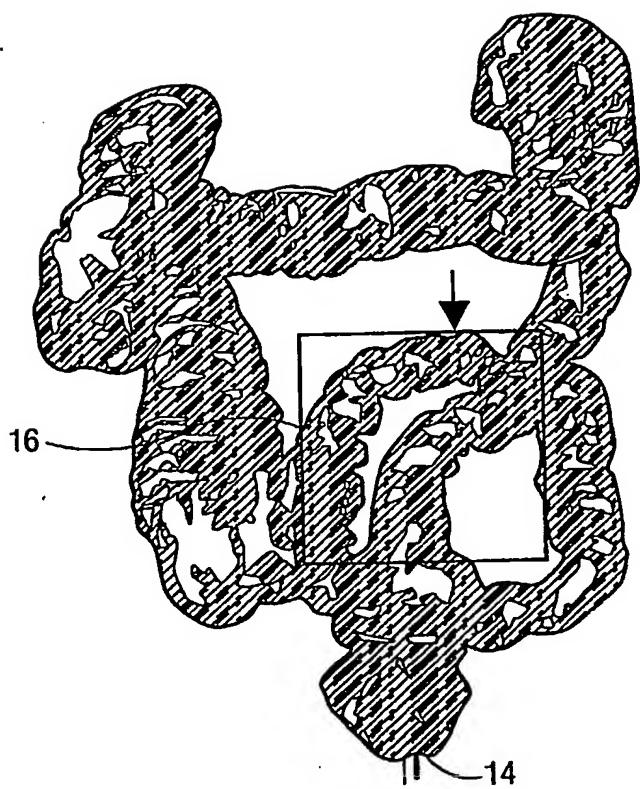
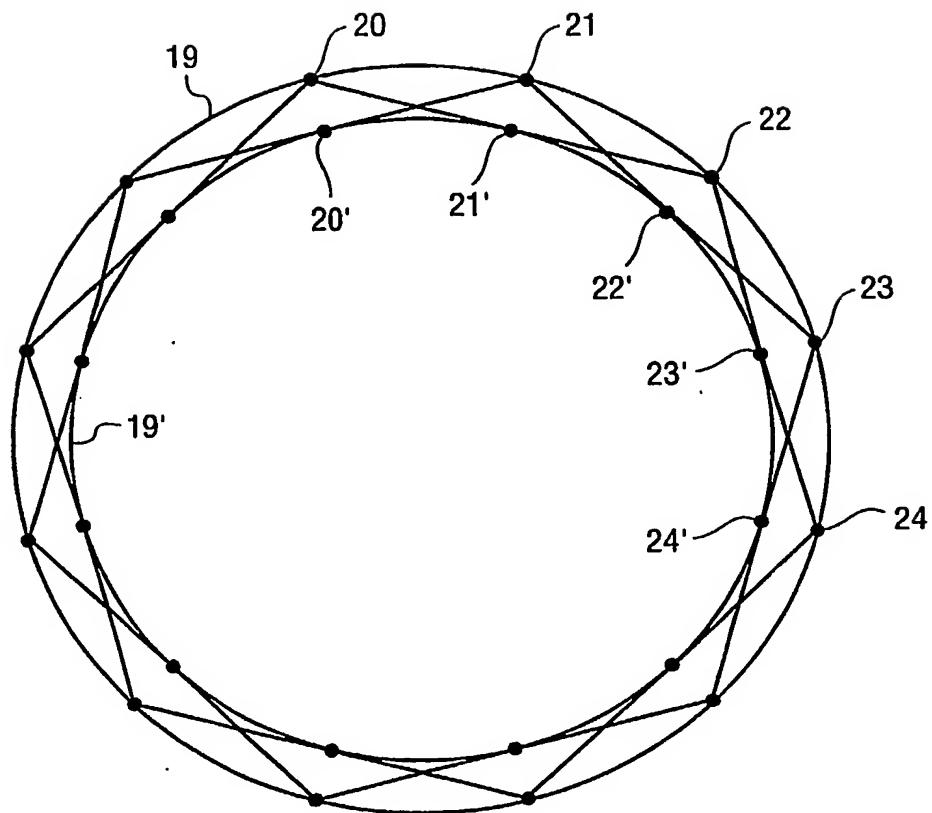
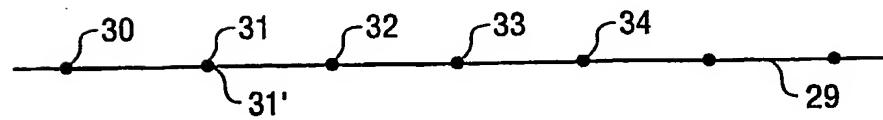


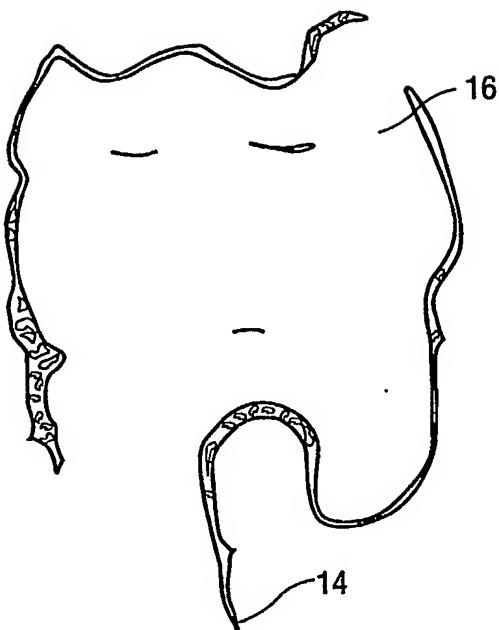
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**FIG. 1**

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**FIG. 2A****FIG. 2B**

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Shrunken 3d surface of the human colon  
(Number of iterations = 250)

**FIG. 3**

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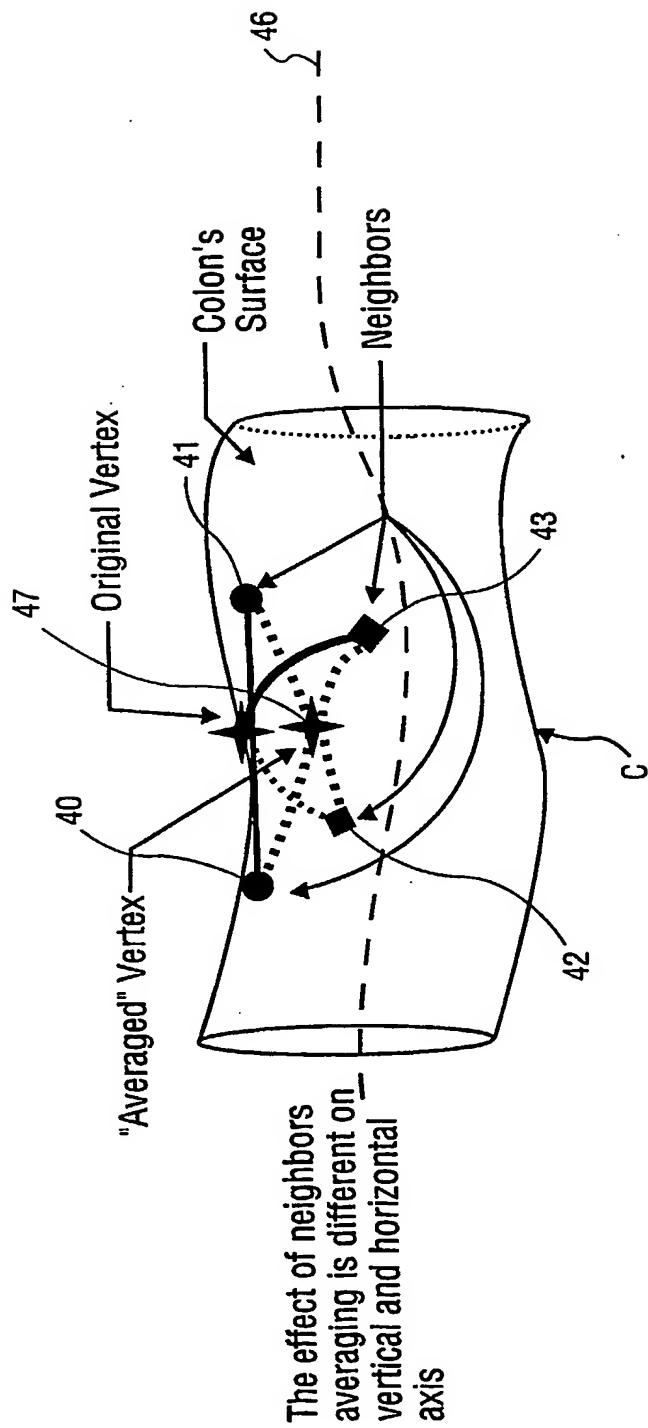


FIG. 4

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Vertices "inside" the loops are moved outside the surface (because of the "blue" / square neighbors)

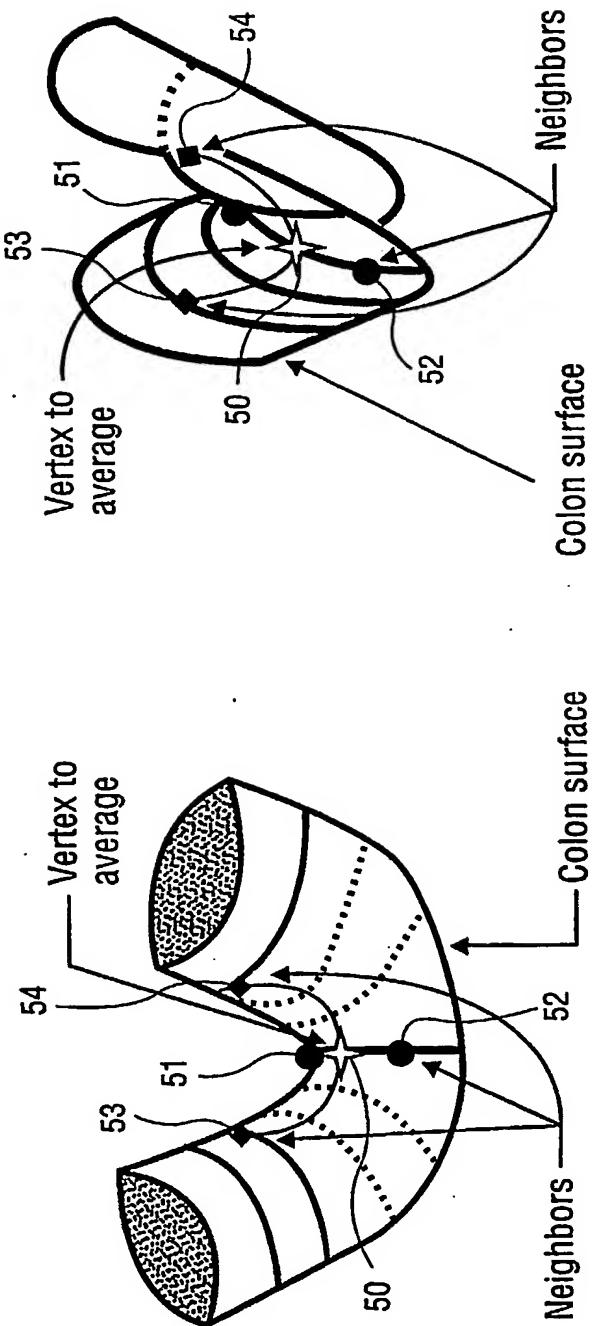
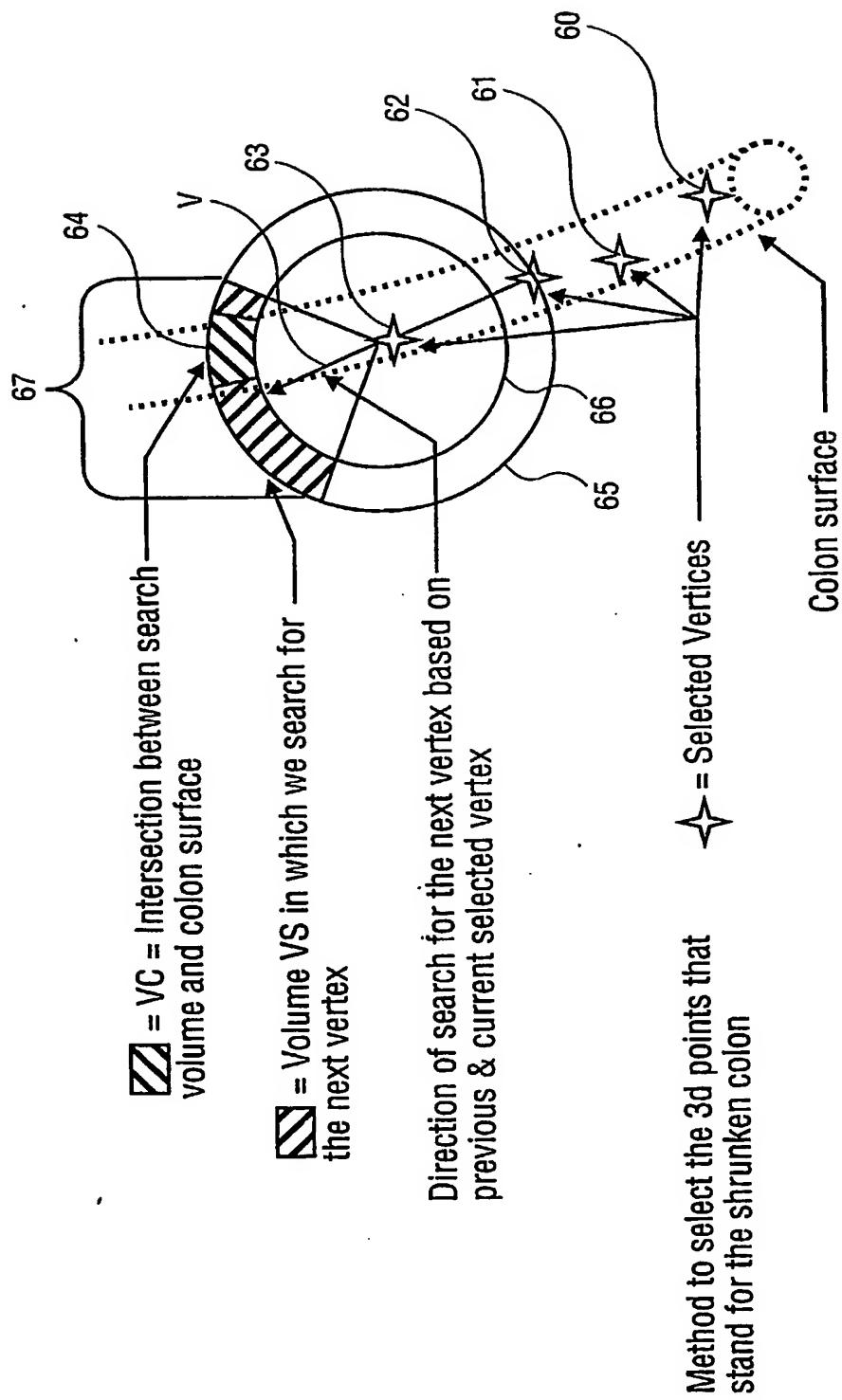


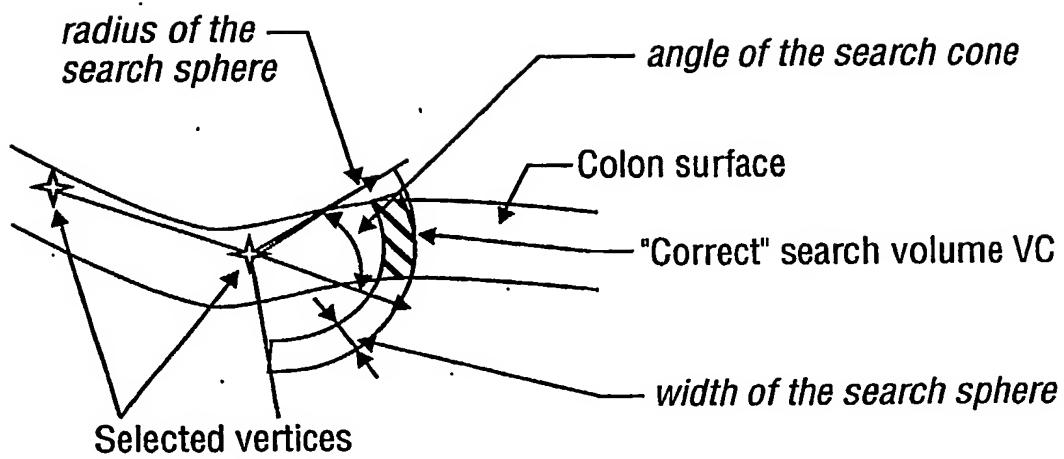
FIG. 5A

FIG. 5B

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**FIG. 6**

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Whichever vertex from VC is good enough for modeling the shrunken colon.

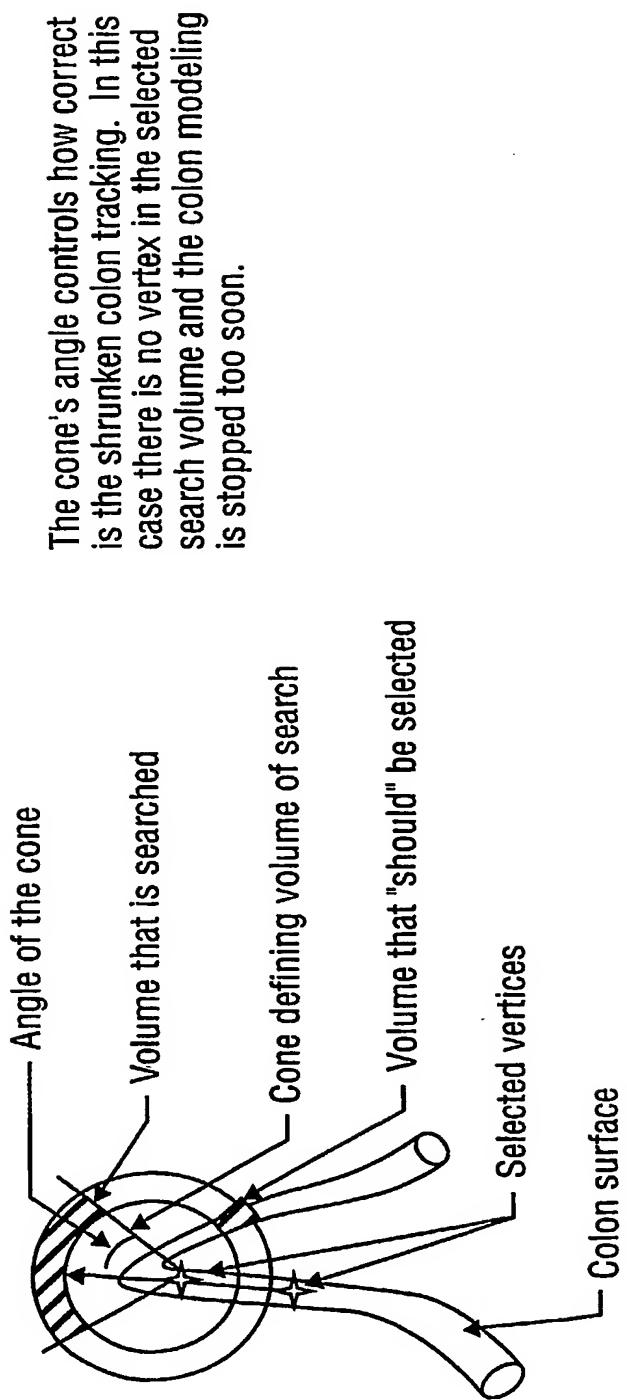
**FIG. 7A**



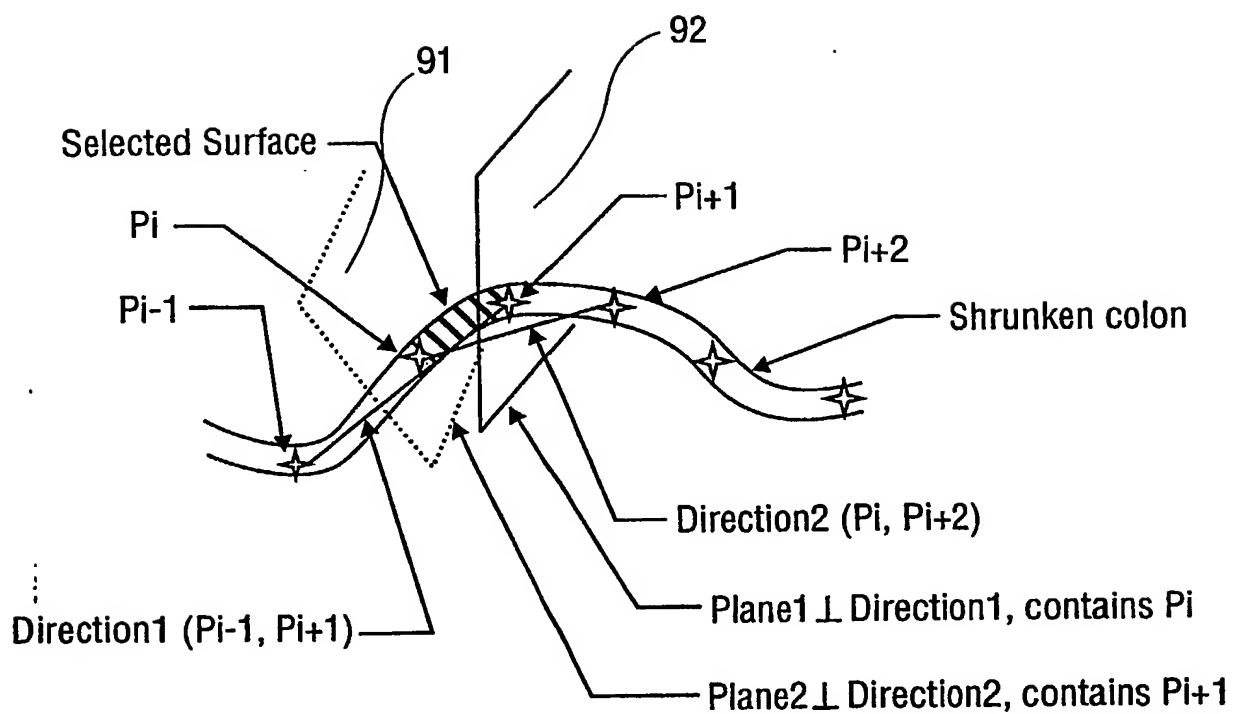
Two possible versions of the shrunken colon model.

**FIG. 7B**

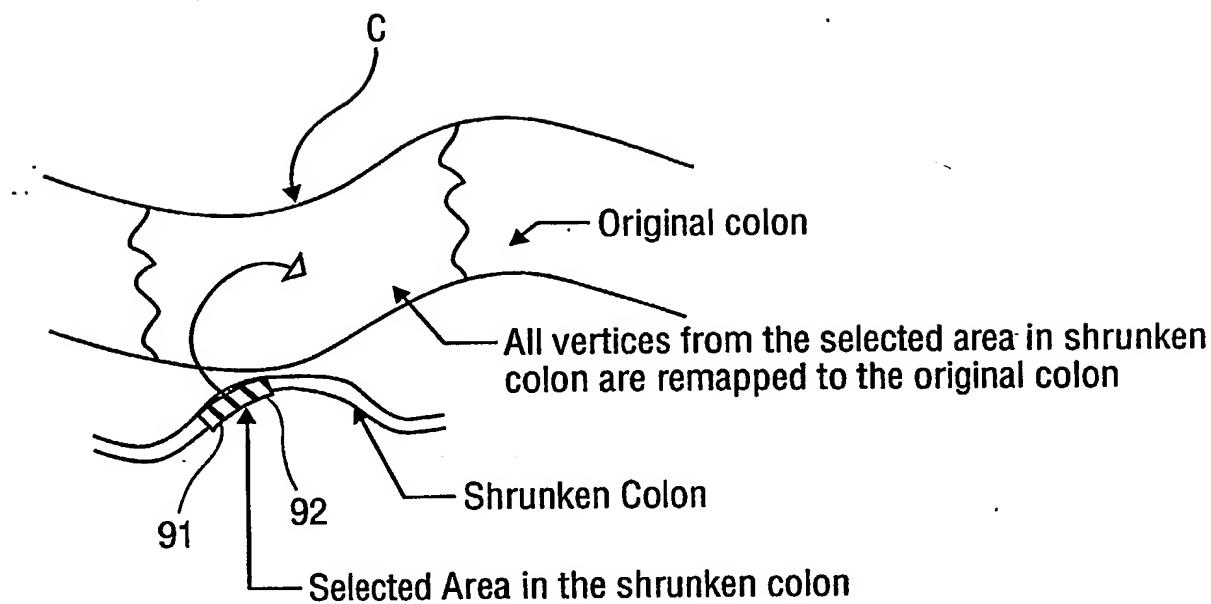
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**FIG. 8**

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**FIG. 9**

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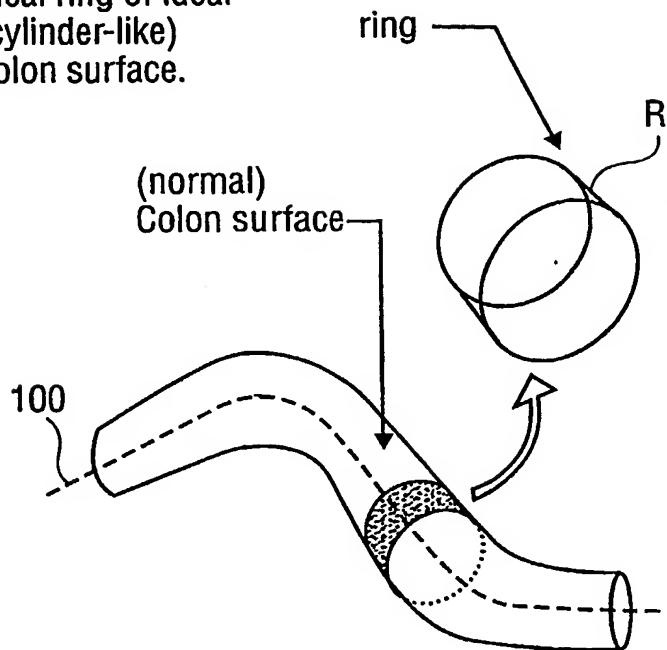
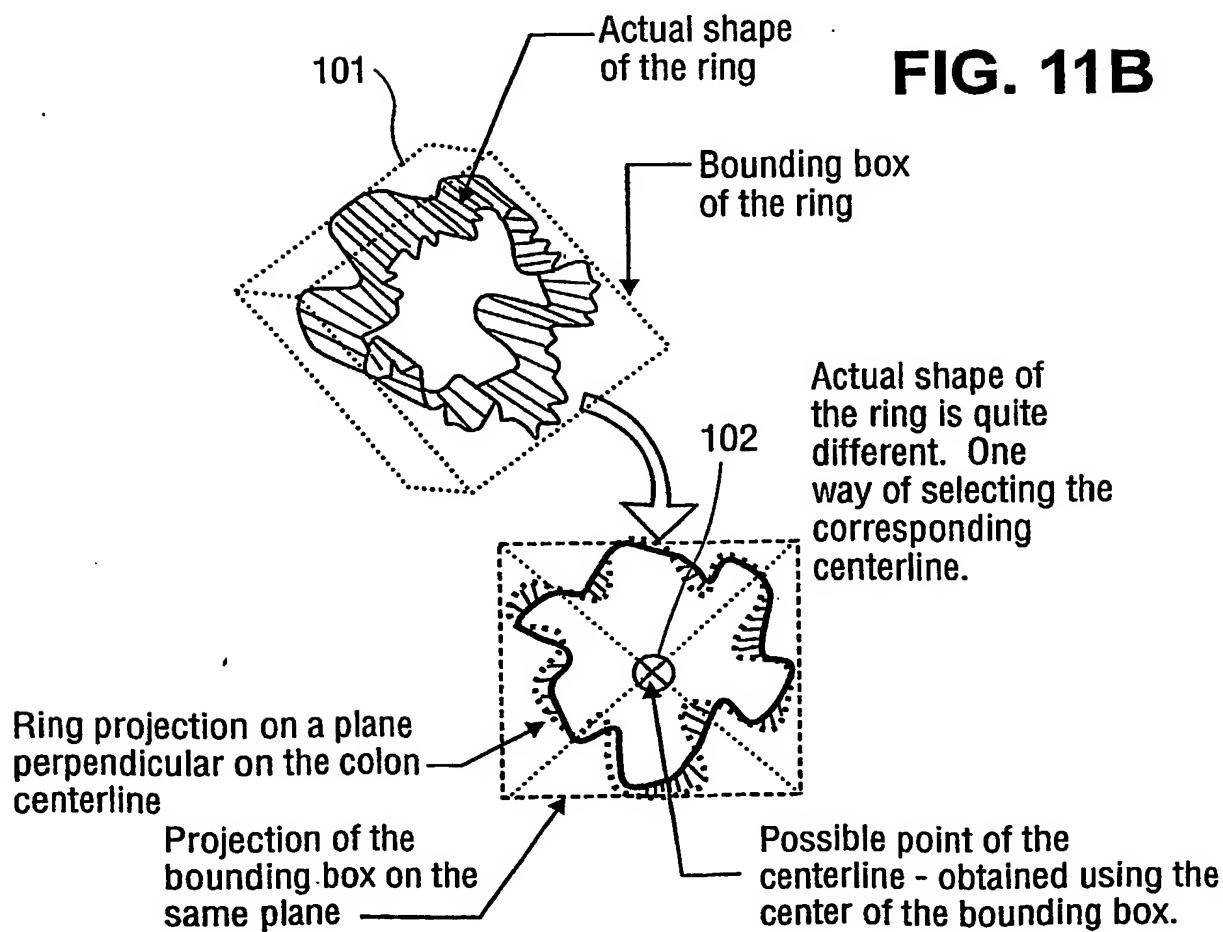


All vertices from the original colon (who are obtained by remapping the vertices from the selected area in the shrunken colon) from a "ring" whose axis is parallel to the colon centerline.

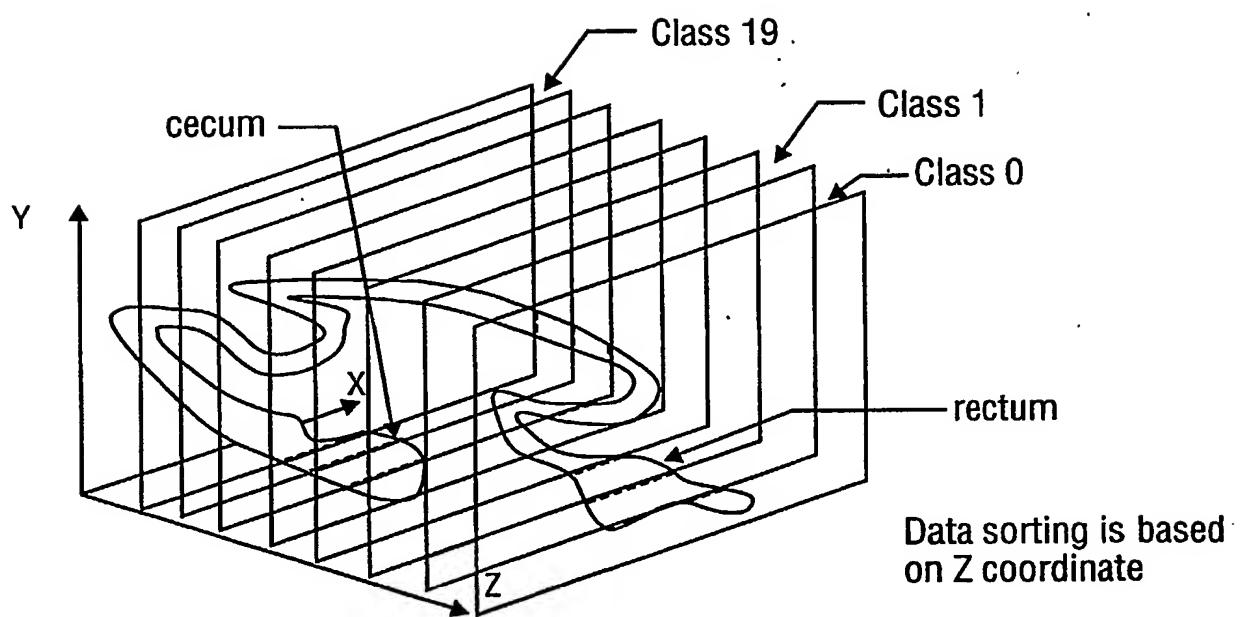
**FIG. 10**

**FIG. 11A** 11/14

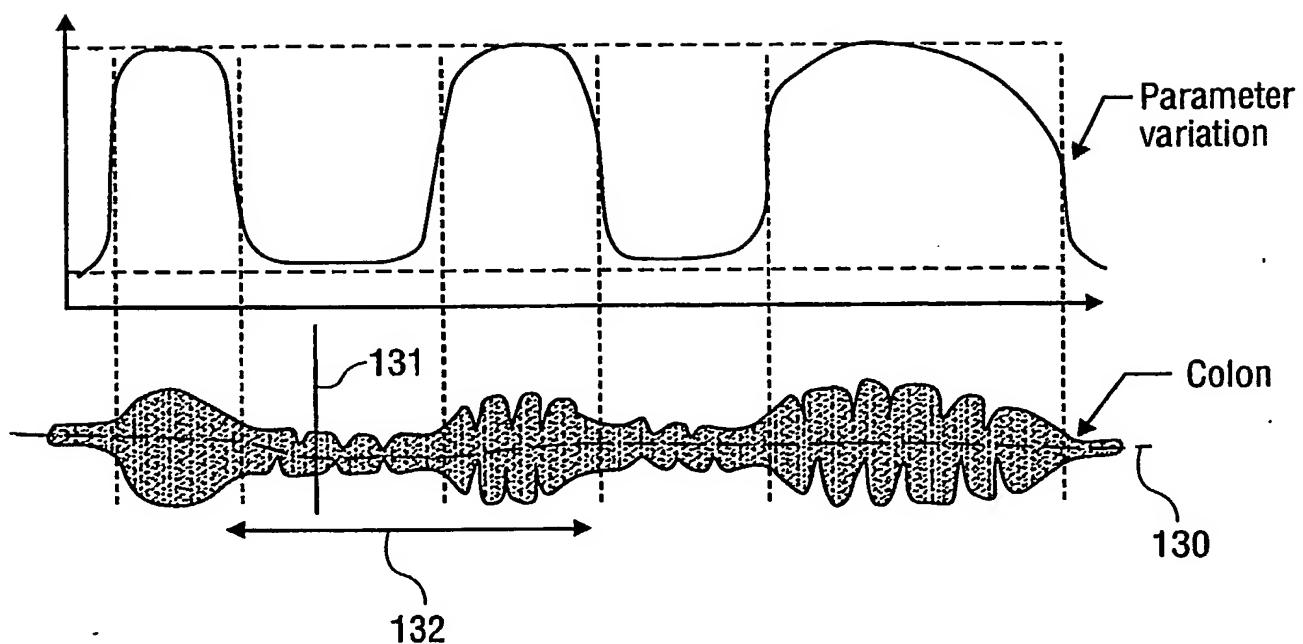
Ideal ring of ideal  
(cylinder-like)  
colon surface.

**FIG. 11B**

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**FIG. 12**

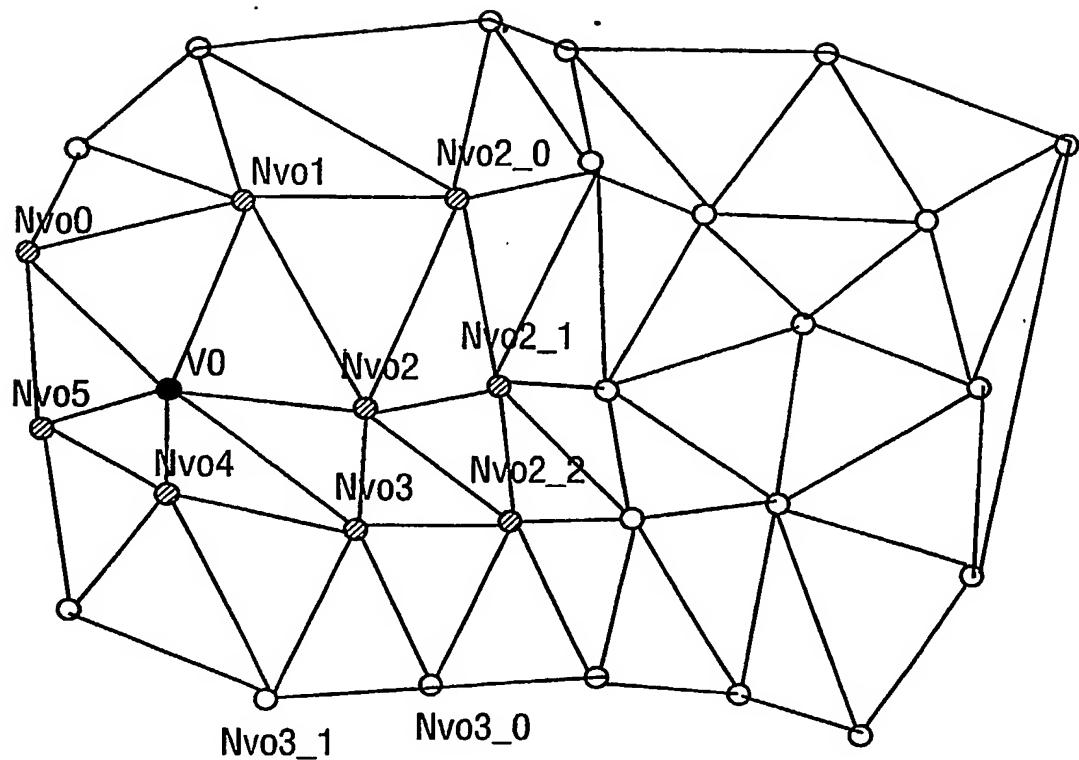
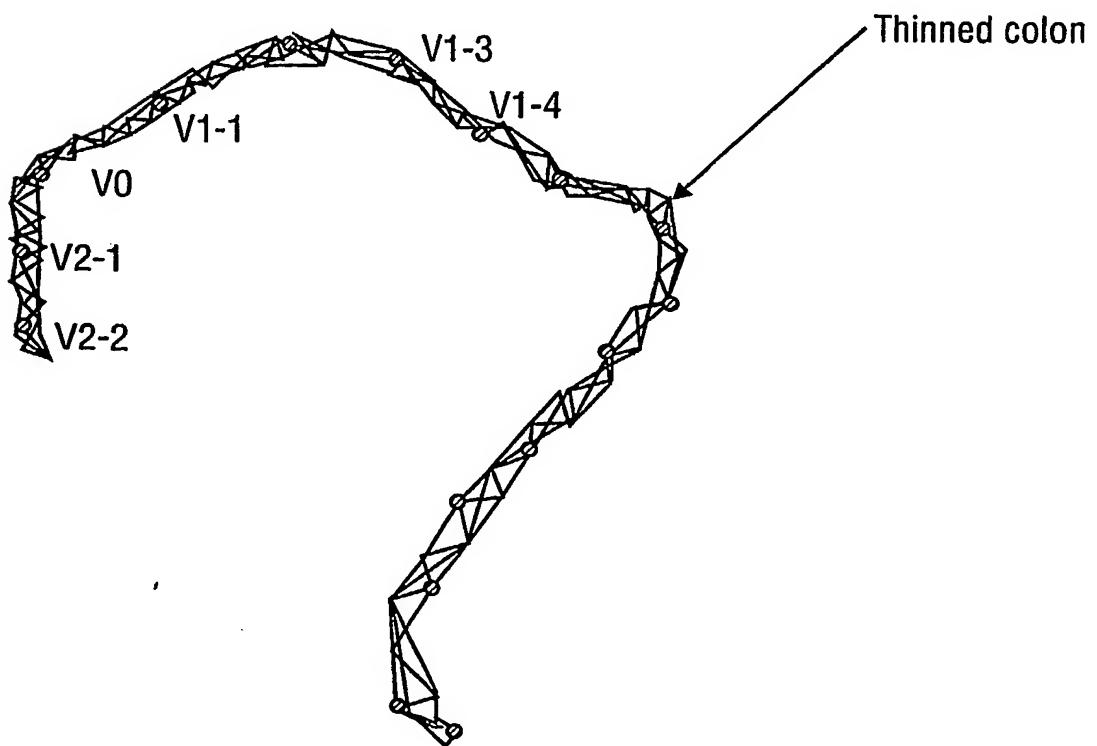
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A possible approach to automatically compute the centerline detection algorithm parameters

**FIG. 13**

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**FIG. 14****FIG. 15**